BILL NO. S-83-04-// 1 SPECIAL ORDINANCE NO. S- 80-83 2 3 AN ORDINANCE approving Change Order No. 3 and FINAL, Resolution 330-80 Phase I, North Maumee Interceptor in connection with the Board of 5 Public Works. NOW, THEREFORE BE IT ORDAINED BY THE COMMON COUNCIL OF 6 7 THE CITY OF FORT WAYNE, INDIANA: 8 SECTION 1. That Change Order No. 3, and FINAL, Resolu-9 tion No. 330-80 Phase I, North Maumee Interceptor, with Rocco 10 Ferrera & Co., Inc., in connection with the Board of Public 11 Works, for: 12 a close out change order to adjust the estimated quantities in the contract unit 13 price to agree with actual quantities installed under this project; 14 15 involving a net decrease in the amount of Forty-One Thousand One Hundred Ninety-Eight and 22/100 Dollars (\$41,198.22) all as 16 more particularly set forth in the specifications, and which is 17 on file with the Office of the Board of Public Works, and is by 18 reference incorporated herein, made a part hereof and is hereby 19 20 in all things ratified, confirmed and approved. SECTION 2. That this Ordinance shall be in full force 21 and effect from and after its passage and any and all necessary 22 approval by the Mayor. 23 24 Cheture & 25 26 APPROVED AS TO FORM AND LIABILITY 27 28 29 Bruce O. Boxberger, City Attorney 30 31 32

D3 (1 C)		E		11-00	16-1
seconded by	duis	, and d	motion by uly adopted,	read the s	econd time
by title and ref	erred to the	Committee	(velles (1)	Whiteen	(and the City
Plan Commission due legal notice	, at the Cou	ncil Chamber	rublic Hearin's, City-Count	g to be ne y Building	ld after , Fort Wavne,
Indiana, on		, 19 , at		o'clock	day of
	4-12-8		Phylos	-0'6166k	M.,E.S.T.
DATE:	7-12-80	2 .	CHARLES W	WESTERMAN .	- CITY CLERK
					7
seconded by	Les Yunte	2	motion by	opted, pla	ed on its
passage. PASSED	(LØST) by	the followi	ng vote:	-Lora, Lora	
	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	9				
BRADBURY					
BURNS		, ———			
EISBART					
GiaQUINTA		·			
SCHMIDT					
SCHOMBURG					
SCRUGGS					
STIER				•	
TALARICO					
	4-26-8	3	011	. 8	
DATE:	7 20		CHARLES W.	VESTERMAN -	CITY CLERK
Parrod and	adonted by th	o Common Co	uncil of the (astry	0111 011111
					t Wayne,
Indiana, as (ZON) (APPROPRIATION)			· ·	(SPECIAL)	85
_			^		V5
on the	day_	of Co	Free		
	ATTEST:		(SEAL)		
Mada	ida Es	1-2-11	Day-	-00	
CHARLES W. WESTER	RMAN - CITY C		PRESIDING OF	FICER	taf
	ten to the M		City of Fort		tana on
the 271	day of	Caril	10/65	, and the	iana, on
the 271	day or	ock A.	, 19 <u> </u>	_, at the	nour or
	0 C1	OCK	1.,E.S.T.		
			Mar	Legan	soler !!
			CHARLES W. F	ESTERMAN -	CITY CLERK
Approved and	d signed by m	e this	28TR day o	of Opil	7
19 <u>\$\frac{1}{3}\$</u> , at the h	nour of	-(\o'clo	ockM.	,E.S.T.	
				a Co	
			WIN MOSES, J	R MAYOR	

mark 2 : 1983

CHANGE ORDER /ster Politition Control Engr. Dept. Sity-County Building, One Main St. 11 Wayne Indiana 46002

Proje	ect No.	. 3 and FINAL C-180599-08 : North Maumee Interceptor	Fi. Wayne, Indian	Resolution N Board Order	
To:		CRRERA & CO., INC.		Date: Marc	
	lemen:	(Contractor)		73-3-9	7 .
You a		requested to comply with the f	following changes f	com the contra	ct plans and
Item		Description of Change		Change in C	ontroot Duice
No.	Quantity	Description	Unit Price	Decrease	Increase
		SEE ATTACHED		Joercuse	Increase
				÷	
					•
		•			
•		<u> </u>			
			Total Decrease	131,598.80	
			Total Increase		90,409.58
		Net (Decrease)(Ingress)	Contract Price	41,189.22	
	Original Current (is hereby (added) atract price shall be adjusted Contract Price Contract Price Adjusted by Present Price Including this Chan	as follows: vious Change Order	\$ 832,920.0 \$ 928,797.2 \$ 887,607.9	0
i all mendm	work shall to the	for completion in the contract of the contract and all provisions of the contract of the contr	o this Change Order Furthermore, this d	. The date for locument shall. I apply hereto	or completion become an
Recomm	nended by:	Mucanetinburg	Chief Engineer	Date Ma	1/83
ccept	ed by:	Myselufferely	Contractor	Date 3/2	1/83
oprov	red by:	1000 Joller	City Engineer	Date 3/3/	1/83
pprov	red by:	Modela	Owner	Date 4-	6-83.
		Buy R Collins		-	
* · 004	od by.	and Elm	1	- 4_	1-83

North Maumee Study Area C-180599-08 - B.O. 54-80 Resolution 330-80 Phase I - "Interconnect"

ROCCO FERRERA & CO., INC., Contractor

tem		Description of Change		Change in Co	ontract Price
No.	Quantity	Description	Unit Price	Decrease	·Increase
1	150.8 LF	48" RCP Class III	76.00	·	11,460.80
2	185:5 LF	48" RCP Class IV	76.00	14,098.00	
3	7.0 LF	18" RCP Class IV	21.00	147.00	
4	156.0 LF	18" RCP Class V	25.00	3,900.00	
5.	47.9 LF	12" RCP Class IV	21.00		1,005.90
6	1.0 EA	Std. MH Type I-J	1,165.00	1,165.00	
. 8	10.0 EA	Std. MH Type II-J (72")	3,570.00		35,700.00
9	4.0 EA	Std. MH Type II-J (84")	3,785.00	15,140.00	
10	2.0 EA	Std. MH Type II-J (96")	4,200.00	8,400.00	
11	3.0 VF	Std. 8" Drop Pipe	100.00	300.00	
12	86.0 LF	12" Cast Iron Force Main Replacement	25.00	2,150.00	
13	1,400.0 LF	10" C.L.D.I.P. Class 55	22.00	30,800.00	
14	31.0 LF	8"-12" Field Tile Replacement	13.00		403.00
	19062.7 SY	Seeding and 1" Mulch	0.50	9,531.35	
16	1,667.0 SY	Broadcast Seeding	0.20		333.40
1.7	2,900.0 GY	Special Backfill	7.00	20,300.00	
13	2,117.3 SY	6" Stone Road Replacement	2.50	5,293.25	·
19	3.0 LF	18" Encased Boring Complete	190.00	570.00	
		To	tal Decrease		•
		Tot	tal Increase	CONTINUED	NEXT PAGE
	Net (Decrea	ese)(Increase) Con	ntract Price		

ATTACHMENT TO CHANGE ORDER

North Maumee Study Area C-180599-08 - B.O. 54-80 Resolution 330-80 Phase I Rocco Ferrera & Co., Inc.

tem		Description of Change	1	Change in Co	ontract Price
No.	Quantity	Description	Unit Price	Decrease	- Increase
20	. 236.43 SY	12" Revetment Rip Rap	15.00	·	3,546.45
22	324.3 LF	Dewatering	10.00		3,243.00
23	937.0 LF	Fence Replacement	10.00	9,370.00	
24	283.4 CY	Base Stabilization	13.00	3,684.20	
25.	2 EA	Pump Station Removal Lump Sum	6,000.00	6,000.00	-
26	50.0 LF	4"-6" PVC Water Main	15.00	750.00	
28	1.0 EA	Additional Excavation Lateral #2 LS	2,529.43	-	2,529.43
29	1.0 EA	Raise Str. #39 LS	1,832.10	,	1,832.10
30	605.0 LF		6.90		4,174.50
31	.1.0 EA		1,259.00		1,259.00
32	1.0 · EA	Sludge Removal . LS	2,532.00	•	2,532.00
33	1.0 EA	Road and Culvert Relocation LS	1,266.00	4	1,266.00
34	1.0 EA	Reed Road Connection LS	1,124.00		1,124.00
35	.1.0 EA	Connection and Bulkhead Removal At			·
		Str: #0+00	·		20,000.00
				1	·
					•
				• •	
		To	otal Decrease	131,598.80	•
		To	otal Increase		90,409.58
	Net (Decrea	ese) (Increase) Co	ontract Price	41,189.22	

			Board	Order No	15-80
	REQUEST AND JU	STIFICATION FO	R CHANGE		
Necessity for	change:				······································
	SEE ATTACHEI	D JUSTIFICATION			
-		:			
	•				· · · · · · · · · · · · · · · · · · ·
	.*				

ill proposed c	hange alter size of t	the project?	Yes	No_X	
ill proposed c	hange alter size of t			No_X	
ill proposed c	hange alter size of t			,	
ill proposed c	hange alter size of t	cost of this p		,	
ill proposed c	hange alter size of t	cost of this p		,	
ill proposed c	hange alter size of t	cost of this p		,	
ill proposed c	hange alter size of t	cost of this p		,	

Gregory Merrill

Change Order No. 3 and FINAL

Resolution No. 330-80 Phase I

JUSTIFICATION FOR CHANGE ORDER #3 and FINAL North Maumee Study Area C-180599-08 - B.O. 54-80 Resolution 330-80 Phase I "Interconnect"

Rocco Ferrera & Co., Inc., Contractor

Item #1

Actual field measurements reflect an increase from the original unit bid item.

Items #2, 3 and 4

Actual field measurements reflect a decrease from the original unit bid items.

Item #5

Actual field measurements reflect a slight increase from the original unit bid item.

Item #6

Our original design called for the placement of a Type I Manhole at Sta. 20+90 of Line "A," prior to the elimination of the Caribe Colony Lift Station. Upon further investigation, it was determined that the flow to the station needed to be cut off further to the north, at the existing manhole, this eliminated the need for the additional Type I manhole.

Items #8, 9 and 10

Prior to construction, the sewer line acorss Lakeside Golf Course was re-routed at the owner's request to eliminate excessive damage to tees and greens, this added one 72" manhole and changed two 96" manholes to 72" manholes. The sewer line from Str. #5 - Str. #9 was then also re-routed after initial pipe laying operations indicated an undermining effect was taking place on the clay core of the sludge lagoon dikes.

Item #11

Actual field measurements reflect a decrease from the original unit bid item.

Item #12

Actual field measurements reflect a decrease from the adjusted unit bid item.

Item #13

As a result of the re-alignment of the 48" sewer across Lakeside Golf Course, no sludge line replacement was needed. Therefore, this item was not used on this contract.

Item #14

Actual field measurements reflect a slight increase from the original bid item.

Item #15

Actual field measurements reflect a substantial decrease from the original unit bid item.

Item #16

Actual field measurements reflect a slight increase from the original unit bid item.

Item #17

This item was not used on this project. See Item #31.

Items #18 and 19

Actual field measurements reflect a decrease from the original unit bid item.

Item #20

The original estimate for revetment rip-rap should have been twice as high according to our design plans. Actual field measurements reflect a slight increase over what the quantity should have been.

Item #22

Actual field measurements reflect a slight increase from the revised quantity outlined in change order #1 of this project.

Item #23

It was originally anticipated that much of the fence parallel to the 12" sewer line "A," would be lost during construction. This was not the case as the fence remained stable during construction; therefore, the total quantity was not used.

Item #24

Actual field measurements during construction reflect a decrease from the adjusted quantity as outlined in change order #1 of this project.

Item #26

Actual field measurements reflect a slight decrease from the original unit bid item.

Item #28

The invert elevation of the 18" RCP sewer was incorrectly measured. It is actually 2.5± feet lower than shown on the original design plans. Upon discovering this discrepancy, the contractor requested additional payment for the additional excavation. We then negotiated the amount shown in this change order.

Item #29

Prior to construction of Str. #39 our Sewage Treatment Plant Superintendent, Neil Wisler, brought up the fact that said structure was the most advantageous one to have as a control manhole in the event of a severe flooding condition that would back up the 18" sewer and flood the City of Fort Wayne lagoon system. At that point in time, a design was formulated to raise the structure up to an elevation equal to the protective dike surrounding the lagoons. The contractor then requested payment for the additional work.

Item #30

There were numerous $1\frac{1}{2}$ " water lines encountered while crossing Lakeside Golf Course, Sta. 0+00 to Sta. 31+00 \pm , that were not known to exist.

Item #31

Our office requested the contractor, Rocco Ferrera & Co., Inc., to dig intermittent test holes along the lagoon road to be disturbed by the construction of Line "A" for the determination of the suitability of the material as backfill in lieu of Item #17, special backfill. It was our decision to allow the use of the excavated material as backfill and eliminate the use of the special backfill, Item #17.

Item #32

In the interim between the awarding of this contract and the beginning of construction a large amount of sluge was deposited in the construction right-of-way. The contractor then requested payment for the removal of this material.

Item #33

Prior to the commencement of construction on the 48" sewer behind the sludge lagoons the contractor roughed out a construction road, parallel to the sewer, complete with culverts at the drainage ditches. When the sewer was relocated, due to undermining of the clay core on the lagoon dikes, it became necessary for the contractor to relocate his road which was now in direct conflict with the proposed sewer. The contractor then requested payment for the amount outlined in this change order, for the work involved in this relocation.

Item #34

The connection of the gravity sewer feeding the pump station shown on Sheet #19 was delayed for a period of 1± year when, while excavating, it was discovered that the new sewer would be in a direct grade conflict with the force main draining the pump station. Since construction of the 48" sewer was not yet complete it was not possible to move ahead with the interconnect. The contractor then requested payment for the additional costs incurred.

Item #35

The original design plans on this project showed a bulkhead with a 48" stub at Sta. 0+00. When the contractor excavated to make the connection it was discovered that no stub had been placed during construction of the structure and that the bulkhead was a plug flush with the structure wall. The contractor attempted to make connection, but was unable to proceed due to the high level of sewage in the chamber and was forced to abandon his effort, close the excavation and return at a later date to make the connection. The contractor contended that had the structure existed as shown on the plans, the connection would have been made. He then presented a detailed breakdown of costs incurred to make the final connection. The amount outlined in this change order is the final negotiated cost.

ORIGINAL CONTRACT \$832,920.00
REVISED CONTRACT \$928,796.80

FINAL QUANTITIES

FEDERAL GRANT -C-180599-0 RESOLUTION - 330-80 Phase I

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT	CO NO.	CHANGE ORDER UNITS 1/2	REVISED ESTIMATED QUANTITIES	FINAL	EXTENSION FINAL CONTRACT
Н	48" RCP Class III	4,680± LF	76.00	3	150.8		4,830.8	367,140.80
2	48" RCP Class IV	2,230± LF	76.00	3	(185.5)		2,044.5 LF	155,382.00
3	18" RCP Class IV	40± LF	21.00	3	(7)		33 LF	693.00
4	18" RCP Class V	245± LF	25.00		(156)		89 LF	2,225.00
5	12" RCP Class IV	2,090± LF	21.00	2	(1068)	1,022 LF		
				3	6.74	-	1,069.9 LF	22,467.90
					-			
9	Std. MH Type I-J	7± EA	1,165.00	3	(1)		6 EA	6,990.00
7	Std. MH Type V-J	1± EA	2,205.00				1 EA	2,205.00
						·		
8	Std. MH Type II-J (72")	1± EA	3,570.00	3	10		11 EA	39,270.00
6	Std. MH Type II-J (84")	5± EA	3,785.00	. 8	(4)		1 EA	3,785.00
10	Std. MH Type II-J (96")	3± EA	4,200.00	3	(2)		1 EA	4,200.00
11	Std. 8" Drop Pipe	10± VF	100.00	3	(3)		7 VF	700.00
12	12" Cast Irón Force Main Replace.	1,290± LF	25.00	2	(1,100)	190 LF		-
				n	(88)		104 LF	2,600.00
13	10" CLDIP Class 55 (Sludge Line Re)) 1,400± LF	22.00	3	(1,400)		0	

PROJECT: NORTH MAUWEE STUDY AREA ORIGINAL CONTRACT - \$832,920.00 REVISED CONTRACT - \$928,796.80

FINAL QUANTITIES

FEDERAL GRANT-C-180599-0 330-80 Phase I RESOLUTION-

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT	0.0	CHANGE ORDER	REVISED ESTIMATED	FINAL	EXTENSION	
	8"-12" Field Tile Replacement	1 ' ' 1	13.00	3	31	E	131 LF	1,703.00	
	Seeding and 1" Mulch	40,000± SY	0.50	3	(19,062.7)		20,937.3 SY	10,468.65	
	Broadcast Seeding	4,000± SY	0.20	3	1,667		5,667 SY	1,133.40	
	5								
	Special Backfill	2,900± CY	7.00	3	(2,900)				
			•						
	6" Stone Road Replacement	4,700± SY	2.50	3	(2,117.3)		2,582.7 SY	6,456.75	
	18" Encased Boring Complete	175± LF	190.00	3	(3)		172 LF	32,680.00	
	1911 Revetment Din Dan		١,						
	ייב איכיייייי אדף אמף	16 -001	72.00	2	236.43		386.43 SY	5,796.45	
,	E .								
	Brusn & Tree Removal	Lump Sum	12,500.00				100%	12,500.00	
- 5	Dewatering	2,000± LF	10.00	1	4,955	6,955			
				ε,	324.3		7,279.3 LF	72,793.00	
	Fence Replacement	1,000± LF	10.00	3	(937)		63 LF	630.00	
	Base Stabilization	250± CY	13.00	1	3,563.6	3,813.6		~	
- 1				3	(283.4)		3,530.2 CY	45,892.60	
1	Pump Station Removal	Lump Sum	00.000,9		Lump Sum				
- 1									

PROJECT: NORTH MAUMEE STUDY AREA ORIGINAL CONTRACT \$832,920.00 REVISED CONTRACT \$928,796.80

FINAL QUANTITIES

FEDERAL GRANT -C-180599-0 RESOLUTION - 330-80 Phase I

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT	0.00	CHANGE ORDER	REVISED ESTIMATED	FINAL	EXTENSION,
26	4"-6" PVC Water Main	400± LF	15.00	3	(50)		350 LF	- F
							1	• 1
27	12" RCP Class IV	None	46.00	2	1,085.4	1,085.4 LF	1,085.4LF	49,928.40
28	Additional Excavation Lateral #2	None	2,529.43	3			100%	2,529.43
29	Raise Str. #39	None	1,832.10	3			1 EA	1,832.10
30	1½" Water Line Replacement	None	06.90	3	605		605 LF	4,174.50
31	Test Holes	None	1,259.00	3			100%	1,259.00
32	Sludge Removal	None	2,532.00	3			100%	2,532.00
33	Relocation of Road & Culverts	None	1,266.00	3			100%	1,266.00
34	Reed Road Connection	None	1,124.00	3			100%	1,124.00
35*	Connection & Bulkhead Removal At.							
	Sta. # 0+00	None	20,000.00	3			100%	20,000.00
	FINAL CONTRACT PRICE							887,607.98
*	Non-Grant Eligible Items							
	(See supplemental sheet)							

PROJECT: NORTH MAUMEE STUDY AREA

FEDERAL GRANT - C-180599-C

RESOLUTION - 330-80 Phase I

SUPPLEMENT

NON-GRANT ELIGIBLE ITEMS

O Lump Sum O Lump Sum		UNIT PRICE EXTENSION	20,000.00 20,000.00	\$ 20,000.00			650, 705, 98	86.760.80	150,141.20	\$887,607.98				-			c	
DESCRIPTION ction and Bulkhead Removal at Sta. 0+00 NON GRANT ELIGIBLE ITEMS al EPA Share (75%) na State Board of Health Share (10%) of Fort Wayne Share (100% + 15% Costs) CONTRACT PRICE MBE Participation was 17.7% (157,408.2) ontract price	I ELIGIBLE IIEMS		Sum						-									
	NEW NOW	DESCRIPTION	at Sta.			COST SUMMARY:	Share	State Board of Health Share	City of Fort Wayne Share (100% + 15% Costs)	TOTAL CONTRACT PRICE	MBE Participation was 17.7% (157,408.49)							

REPORT OF THE COMMITTEE ON CITY UTILITIES
WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED A
ORDINANCE approving Change Order No. 3 and FINAL, Resolution 330-80 Phase I,
North Maumee interceptor in connection with the Board of Public Works
*
HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.
VICTURE L. SCRUGGS, CHAIRMAN (Icture Serving)
SAMUEL J. TALARICO, VICE CHAIRMAN Samuel & Talonico
DONALD J. SCHMIDT
MARK E. GIAQUINTA Mek Equation
PAUL M. BURNS (and In Thomas)

BILL NO. S-83-04-17

Crucuria in 4-26-83.

Admn.	Appr.
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. 330-80 Phase	e I, North Maumee
C Works	Interceptor
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with actual qu	the estimated
cco Ferrera &	Co. I
	co., Inc.
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